

PRODUCT INFORMATION

Product name : NEUROG2 antibody

Product type : Primary antibodies

Description : Rabbit polyclonal to NEUROG2

Immunogen : 3 synthetic peptides (human) conjugated to KLH

Reacts with : Human, Mouse

Tested applications : ELISA, WB and IF

GENE INFORMATION

Gene Symbol : NEUROG2

Gene Name : neurogenin 2

Ensembl ID : ENSG00000178403

Entrez GeneID : 63973

GenBank Accession number : AF303002

Omim ID : 606624

Swiss-Prot : Q9H2A3

Molecular weight of NEUROG2 : 28.6kDa

Function : Transcriptional regulator. Involved in neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3')

Expected subcellular localization : Nucleus

Summary : Neurogenin-2 is a member of the neurogenin subfamily of basic helix-loop-helix (bHLH) transcription factor genes that play an important role in neurogenesis from migratory neural crest cells.[supplied by OMIM, Mar 2008]

APPLICATION NOTE

Recommended dilution :

- **ELISA:** Antibody specificity was verified by direct ELISA against the 3 immunogen peptides. A minimum titer of 1/14000 is determined. Appropriate specificity controls were run.
- **WB:** 1/7000.
- **IF:** 1/1000.

Optimal dilutions/concentration should be determined by the end user.

Raised in : Rabbit

Clonality : Polyclonal

Isotype : IgG

Purity : Purified Antibody

Storage buffer : 0.5 X PBS, 50% glycerol containing a final concentration of 0.1% BSA and 0.01% Thimerosal.

Form : Liquid

Storage instruction : Store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

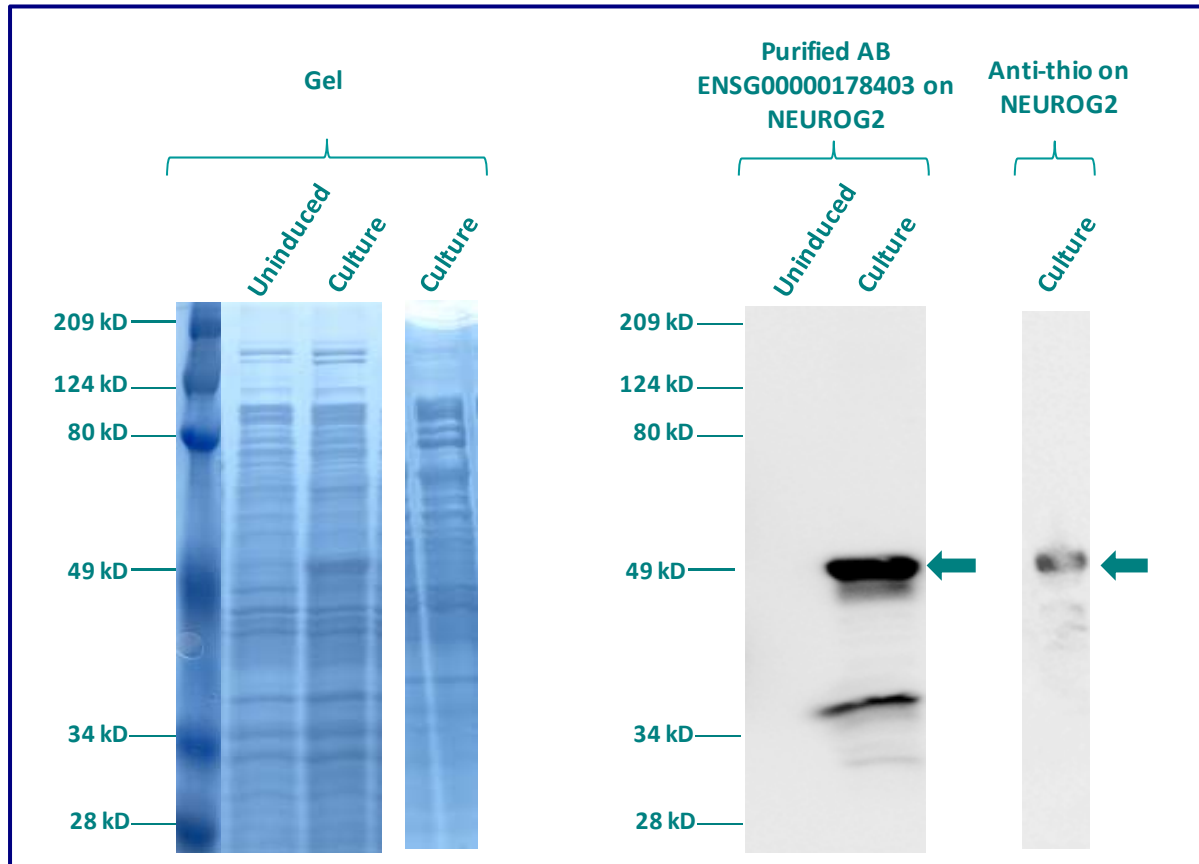
WESTERN BLOT ON RECOMBINANT PROTEIN

The purified antibody ENSG00000178403 has been tested at 1/15000 on uninduced (negative control) and induced culture of E.coli (one shot Top10 competent cells).

An anti-thio has been tested at 1/5000 on induced culture of E.coli (one shot Top10 competent cells) as a positive control.

Plasmid name : pBAD-DEST49.

Molecular weight of NEUROG2 : 43kDa (29kDa + another 14kDa for the tag).



Gel concentration: 10%

Blocking: in 5% non-fat milk-PBST solution

1st Antibody: The antibodies are diluted in blocking buffer.

- Dilute the purified antibody ENSG00000178403 at 1: 7000
 - Dilute the anti-thio at 1:5000
- 60 minutes of incubation

2nd Antibody: The antibody is diluted in blocking buffer.

- Dilute the anti-Rabbit IgG HRP conjugated at 1/10000
- 60 minutes of incubation

IMMUNOFLUORESCENCE ANALYSIS

Immunofluorescence analysis of Neurogenin-2 (NEUROG2) expression in 3 cells lines (HELA, Capan-2, Skin 3,44). The purified Antibody ENSG00000178403 has been tested at 1/5000.

Red staining : cytoskeleton (microtubules/ α -tubuline)

Blue staining : nucleus (Hoechst)

Green staining : anti- NEUROG2 antibody (purified)

Expected subcellular location : Nucleus

